

H → γγ







|η<sup>ji</sup>| < 4.7

p<sub>T</sub><sup>ji</sup> > 30 GeV

n<sub>jets</sub> ≥ 2

Δη<sub>j1,j2</sub> > 3.5

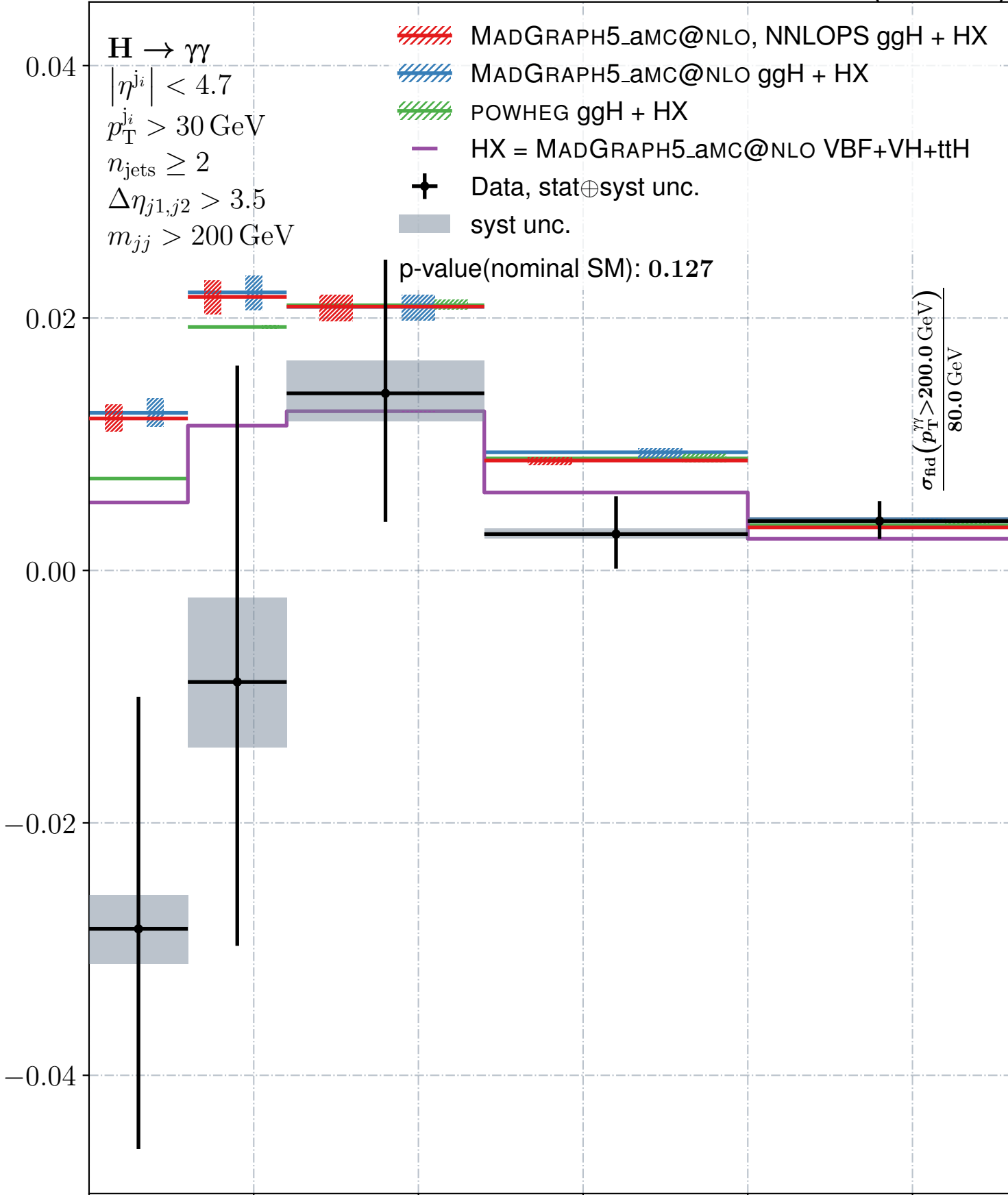
m<sub>jj</sub> > 200 GeV

-  MADGRAPH5\_aMC@NLO, NNLOPS ggH + HX
-  MADGRAPH5\_aMC@NLO ggH + HX
-  POWHEG ggH + HX
-  HX = MADGRAPH5\_aMC@NLO VBF+VH+ttH
-  Data, stat ⊕ syst unc.
-  syst unc.

p-value(nominal SM): 0.127

σ<sub>fid</sub> (p<sub>T</sub><sup>γγ</sup> > 200.0 GeV)  
80.0 GeV

Δσ<sub>fid</sub> / Δp<sub>T</sub><sup>γγ</sup> (fb/GeV)



Ratio to prediction

p<sub>T</sub><sup>γγ</sup> (GeV)

